			DB	Time stamp
	Hits	Search Text		2002/10/04
lumber		- CORNE	USPAT	
Canada	1	6242799.URPN.		07:44 2002/10/04
2	15	("5264726" "5468681" "5474458" "5561321" "5660917" "5734201"	USPAT	07:45
3	1994039	"5847456" "5854534" "5874175" "5920123" "5943212" "5986338" "6011312" "6034437" "6084297").PN. (polyimide (stress adj relax\$4) polymeric	USPAT; US-PGPUB;	2002/10/04 07:57
3		polymer elastic)	EPO; JPO; DERWENT USPAT;	2002/10/04
4	17478	csp (chip adj (size sized scale scaled))	US-PGPUB; EPO; JPO; DERWENT	07:57
5	1995522	(polyimide (stress adj (relaxation relaxing)) polymeric polymer elastic)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/10/04
6	45144	relaxing)) polymeric polymer elastro,	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/10/04 10:16
7	160	resin silicone alumina bolon has ester imide acrylic polyester)) (csp (chip adj (size sized scale scaled))) and (((polyimide (stress adj (relaxation relaxing)) polymeric polymer	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/10/04 08:04
8	153	(silica resin silicone attack) nitride ester imide acrylic polyester)) ((csp (chip adj (size sized scale scaled))) and (((polyimide (stress adj (relaxation relaxing)) polymeric polymer elastic)) with ((particles filler) with	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/10/04 10:19
9		(silica resin silicone aramina intride ester imide acrylic polyester)))) and (chip die semiconductor wafer) 0 6352775.URPN.	USPAT	2002/10/04 08:37 2002/10/04
		0 6147311.URPN.	USPAT	08:42
10		3 ("5461775" "5677576" "5744758").PN.	USPAT	2002/10/04 08:42

			USPAT;	2002/10/04
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		US-5604379-\$ or US-5834844-\$ or		1
		US-5604379-\$ or US-5834844-\$ or US-6111317-\$ or US-5834844-\$ or		
		US-6111317-\$ or US-6255737-\$ or US-5539153-\$ or US-6255737-\$ or		
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		US-6335416-\$ or US-6403460-\$ or US-5938452-\$ or US-6066512-\$ or		
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1		US-6130116-5 of US-6066808-\$ or US-6165886-\$ or US-6066808-\$ or		
l		US-6165886-5 Of US-H001153-\$ or US-5829124-\$ or US-5252852-\$ or		
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1	1	US-5323947-5 or US-6395582-\$ or US-5521994-\$ or US-6303219-\$ or		
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		US-6323065-\$ or US-6201298-\$ or US-6259154-\$ or US-6201298-\$ or		
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		US-6194778-\$ 01 US-5998241-\$ 0r US-6051450-\$ or US-5998241-\$ or		1
1		US-5397921-5 or US-5474957-\$ or US-5763294-\$ or US-5474957-\$).did. or	1	1
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1		US-6388458-3 Of US-6306688-\$ or US-6456100-\$ or US-6306688-\$ or US-20020006718-\$		
		US-6456100-\$ or US-6306665 v		1
		1 - 118-20010019852-3 01 05		
		1 am 118-20010004943-7 Or		
	1	US-20020090754-\$).did.		

		(US-6197613-\$ or US-6181569-\$ or	ODITION	2002/10/04
	37 ((US-6197613-\$ of US-6159837-\$ or S-6277669-\$ or US-6159837-\$ or	00	09:45
	U	S-6277669-\$ of US-6350632-\$ or S-6350633-\$ or US-6350632-\$ or	EPO; JPO;	
	บ	S-6350386-\$ or US-5925931-\$ or	DERWENT	
	ן ט	S-6350386-\$ of 05 55267893-\$ or S-5604379-\$ or US-6287893-\$ or		
	U	S-5604379-3 of OS -5834844-\$ or S-6111317-\$ or US-5834844-\$ or		
i i	ט ן	S-5539153-\$ or US-6255737-\$ or		
	l	ϵ_{α} cooperate or $tis-6200880^{-2}$ or		
1	. ـ ا	caracar_e or HS-6284303-7 UL		
ļ ,		US-6372327-\$ of US-5760465-\$ or		
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	١.	-a rocenea_e or US-5984692-7/.ulu. 0-		
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{	١.	22 C222ECE_\$ Or HS-514/20077 OF		
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į		US-6335416-\$ or US-5529504-\$ or		
	1	US-5938452-\$ or US-6403460-\$ or US-5938452-\$ or US-6403460-\$ or		
		US-5938452-\$ of US-405705	1	ì
	ŀ	US-6130116-\$ or US-5077598-\$ or		
		US-6165886-\$ or US-6066808-\$ or US-6165886-\$ or US-4001153-\$ or		
		US-5829124-\$ or US-H001153-\$ or US-5323947-\$ or US-5252852-\$ or		
		US-5323947-\$ or US-6395582-\$ or US-5521994-\$ or US-6395582-\$ or		
l.		US-6323065-\$ or US-6303219-\$ or		
		US-6259154-\$ or US-6201298-\$ or		
		US-6259154-5 of US-6097085-5 or US-6194778-\$ or US-6097085-\$		
1		US-6051450-\$ or US-5998241-\$ or		
		1 Or US-566353U-7 OL		
l		1 *** E207021_4 Or US-5661088-7 OF		
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		or its-20010019852-\$ or 03-20020000000		
		1 0001000/Q/(3=5 OF		
	1	US-20020090754-\$).did.) and (partitions		
		filler)	USPAT	2002/10/04
14	1	6323542.URPN.		09:52
		A AGO ANDRA	USPAT	2002/10/04
15	0	6441473.URPN.		09:54
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16	12			09:54
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		1 "56/99//" 1	USPAT	2002/10/04
17	12	2 ("5148266" "5346661" "5848467" "5682061" "5801446" "5848467"		10:07
		1 *** ** ** ** ** * * * * * * * * * * *		
		"5994761 "6239489" "6323542").PN.		2002/10/04
		- "511372 "5148266" "5563102"	USPAT	
18		7 ("5126820" "5146266" "5753974" "5656863" "5753974"		10:07
				2002/10/04
		"5834844").PN. 4 (depression adj layer) (stress nearl	USPAT;	1
19	31709		US-PGPUB	
		reduce relieve)) compliant elastomer	EPO; JPO	<i>i</i>
	1	elastomeric (elastic adj layer)	DERWENT	

		((depression adj layer) (stress near)	USPAT;	2002/10/04 10:18
0		(absorb\$3 absorption reflecting languages) compliant elastomer reduce relieve)) compliant elastomer with	US-PGPUB; EPO; JPO; DERWENT	10:10
21		(particles filler containing) (csp (chip adj (size sized scale scaled))) and (((depression adj layer) (stress nearl (absorb\$3 absorption relieving reducing reduce relieve)) relieving reducing reduce (elastic	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/10/04 10:18
	07	adj layer)) with (partitions 1224 scale	USPAT; US-PGPUB;	2002/10/04
22	97	scaled))) and (((deplets)) (stress nearl (absorb\$3 absorption relieving reducing reduce relieve)) compliant elastomer elastomeric (elastic adj layer)) with (particles filler containing))) not ((csp (chip adj (size sized scale scaled))) and (((polyimide (stress adj (relaxation relaxing)) polymeric polymer elastic)) with ((particles filler) with (silica resin illigane alumina boron nitride ester	EPO; JPO; DERWENT	
23	93	imide acrylic polyester///	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/10/04

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	ľ	"5920123" "5943212 "5984297") .PN.		
1		"6011312" "6034437" "6084297").PN.	USPAT;	2002/10/04
	1994039	"6011312" "6034437" 606124 (polyimide (stress adj relax\$4) polymeric	US-PGPUB;	07:57
'		polymer elastic)	EPO; JPO;	
			DERWENT	
		- 1 1))	USPAT;	2002/10/04
	17478	csp (chip adj (size sized scale scaled))	US-PGPUB;	07:57
1	1/4/0	CDP (CDP)		
			EPO; JPO;	
!			DERWENT	2002/10/04
		(polyimide (stress adj (relaxation	USPAT;	2002/10/04
5	1995522	(polyimide (stress ad) (retained relaxing)) polymeric polymer elastic)	US-PGPUB;	07:58
		relaxing)) polymetro polymer statistic	EPO; JPO;	1
			DERWENT	
		14 /m-lawation	USPAT;	2002/10/04
6	45144	((polyimide (stress adj (relaxation	US-PGPUB;	08:02
U			EPO; JPO;	
		1 //mamticles filler) Will (Siller	DERWENT	
		lungin dilicone allimina poton niteria	DEVARIAT	
		l imido acrylic polvester))	tranam.	2002/10/04
	1		USPAT;	08:04
7	160	1 2 11 1 2 2 2 1 1 1 20 1 10 1 10 10 10 10 10 10 10 10 10 10 1	US-PGPUB;	08:04
	1		EPO; JPO;	1
		(relaxation relaxing) polymeric pulled elastic)) with ((particles filler) with	DERWENT	
		elastic)) With ((particles lillow)		
	1			
		I think do not or imide activity portionally,	USPAT;	2002/10/04
8	153		US-PGPUB;	08:04
U			EPO; JPO;	
		I . I LI MAI AVINGII DOI VIILELLO DOLI MICE	DERWENT	
			DEKMENT	1
		The same of the cone attitude borons		
		I imide acrollo borvescer////		1
		and (chip die semiconductor wafer)	1	2002/10/04
	_		USPAT	
9	()	6352//3.UKPN.		08:37
1		A A SOLIT AND DAY	USPAT	2002/10/04
10	(6147311.URPN.		08:42
			USPAT	2002/10/04
11	1 :	("5461775" "5677576" "5744758").PN.		08:42
11	1		USPAT;	2002/03/08
		polyimide near3 ((elastic near1 modulus)	US-PGPUB;	
-		near3 (range about))	05-FGF0D/	L.
		Ticaro (EPO; JPO;	
	1		DERWENT	2002/10/03
		polyimide near3 (elastic near1 modulus)	USPAT;	
l –	8	bothimide Hears (erasero means	US-PGPUB;	
			EPO; JPO;	
			DERWENT	
	1	a the modulust		2002/06/17
_	1	2 (polyimide near3 (elastic near1 modulus)	US-PGPUB;	
-	1	with (range about)	EPO; JPO;	
			DERWENT	
				2002/03/08
		5 ((polyimide near3 (elastic near1	USPAT;	
-			US-PGPUB;	/ I
1		(polyimide near3 ((elastic near1 modulus	EPO; JPO;	<i>i</i>
	1			0000/03/09
		near3 (range about)))		2002/03/08
1_		near3 (range about)); 11 (polyimide near3 (elastic near1 modulus)	US-PGPUB	; 09:07
		with gpa	EPO; JPO	
-			DERWENT	
_		1	l l	2002/03/08
		-		
		(/polyimide near3 (elastic near1	USPAT;	
_		4 ((polyimide near3 (elastic near1		; 09:07
_		4 ((polyimide near3 (elastic near1 modulus)) with gpa) not (polyimide near ((elastic near1 modulus) near3 (range		; 09:07

		a dilatia moarl modulus))		2002/03/08
	15	(polyimide near3 (elastic near1 modulus))	US-PGPUB;	09:07
		and gpa	EPO; JPO;	
ŀ			DERWENT	1
1			USPAT;	2002/03/08
1	6	((polyimide near3 (elastic near1	US-PGPUB;	09:27
į			EPO; JPO;	
	ļ.	modulus)) and gpa; not ((political)) and (pa) (elastic near1 modulus)) with (range	TRAWEAG	
		• + \ \	USPAT;	2002/07/14
1	4627	(chin adi (size\$1 scale\$1) adj		22:55
	4027	(package packaging device)))	EPO; JPO;	
		/bacardo F	DERWENT	
				2002/03/08
		((csp (chip adj (size\$1 scale\$1) adj	1 00	09:34
	0	((csp (chip ad) (\$12231 3cale(1, ad)) (package packaging device)))) and (tress	US-PGPUB;	03.31
		near1 buffer\$3)	EPO; JPO;	
			DERWENT	2002/03/08
		((csp (chip adj (size\$1 scale\$1) adj	USPAT;	09:34
	20	((csp (chip ad) (Size)) Scale(1) and (stress (package packaging device)))) and (stress	US-PGPUB;	09:34
		(package packaging devisor,	EPO; JPO;	
		near1 buffer\$3)	DERWENT	
		1 "6187680"	USPAT	2002/07/14
	4	("6163463" "6187615" "6187680"		22:19
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		"6028357").PN.	USPAT	2002/03/08
	1	"6175151"	02233	10:00
-	1		USPAT	2002/03/08
	1	6175151.pn. and "154"	OSITI	10:02
_	1	l .	USPAT	2002/03/08
	1	6175151.pn. and polyimide	USFAI	10:02
-	1	01/3131-1	TICDATE	2002/03/08
		6181569.URPN.	USPAT	10:16
-	1	6181303:01211		2002/03/08
	1	"5925931"	USPAT;	10:28
_	17	5923931	US-PGPUB;	10.20
			EPO; JPO;	
			DERWENT	2002/03/08
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_	8	"5604379" "5661344" "5719439"		10:31
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		"5757078" "5801440 /	USPAT	2002/03/08
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		"5814894").PN.	USPAT	2002/03/08
		1 6111317.URPN.	OSIAI	10:44
-			TICDAT	2002/03/08
	1	6 ("5046161" "5272111" "5394013"	USPAT	10:45
-	1	1 "5440114" "5604379" "5631499"		100.20
	1	"ccccoco" "5677576" "5/13440		
		"57773888" "5834844"		
		"5844304" "5883435" "5886415"		
		"2044304 5000200		2002/03/08
		"5903058").PN. 50 polyimide near2 photosensitive	USPAT;	_
-	245	oo bothimide Hears brossesses	US-PGPUB;	16:37
			EPO; JPO;	
			DERWENT	0000 (00 (00
		l (ci-act ecaleS1) adi	USPAT;	2002/03/08
1_	70	31 ((csp (chip adj (size\$1 scale\$1) adj	e US-PGPUB	; 16:37
		/package packaging device/// (Po-1	EPO; JPO	;
		near2 photosensitive)	DERWENT	
			USPAT;	2002/06/17
		46 ((csp (chip adj (size\$1 scale\$1) adj	US-PGPUB	
-		/	EPO; JPO	, -
1		(polyimide near2 photosensitive)	DERWENT	
	t t	[/box1	INDEXMENT	

			USPAT;	2002/03/08
	11	((csp (chip adj (size\$1 scale\$1) adj	US-PGPUB;	16:50
1	11	((csp (chip ad) (Sizevi Board) (package packaging device)))) and	EPO; JPO;	
	١,	pyrolysis	DERWENT	1
	1 -	• =	USPAT;	2002/03/08
	0	((csp (chip adj (size\$1 scale\$1) adj	US-PGPUB;	16:46
	1	/mackage packaging device//// and	EPO; JPO;	
		(pyrolysis with polyimide)	DERWENT	
			USPAT;	2002/06/17
	3	(semiconductor neaer1 (package device))	US-PGPUB;	07:46
	3	(semiconductor hear) (pathasis and (polyimide near)	EPO; JPO;	
	1	temperature)	DERWENT	
	1	temperasars,	USPAT	2002/06/14
	1	6277669.URPN.	USPAI	10:56
	1	0277003.02.2	USPAT	2002/06/14
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	1		USPAT	2002/06/14
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	9	"5852326"	US-PGPUB;	11:00
•	9	505252	EPO; JPO;	
			DERWENT	
			USPAT;	2002/06/14
	51	"5679977"	US-PGPUB;	11:01
-	51	00.22.	EPO; JPO;	_
			DERWENT	,
			USPAT;	2002/06/14
	2	"5959355"	US-PGPUB;	11:01
-			EPO; JPO;	
			DERWENT	
			USPAT;	2002/06/14
	58	"5852326" "5679977" "5959355"	US-PGPUB;	11:02
-			EPO; JPO;	
			DERWENT	
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-		(thermal near1 stress)	EPO; JPO;	
			DERWENT	
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		"5604380" "5619017 "5777379" "5777379"		
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-		35 4813129.URPN.		2002/06/14
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-		"6007349" "6042387").PN.		2002/06/14
1		COO TIDDN	USPAT	12:46
		1 5984692.URPN.	I I	1 14.30

— Т	4	("4647126" "4673967" "4813129"	USPAT	2002/06/14
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	8	5415555.URPN.	USPAT	12:49
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		"5638599" "5653892" "5654580"		
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-	4	("6163463" "6187615" "6187680" "6197613").PN.		11:35
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-		· ·	USPAT	2002/06/15
-	35			11:38
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		"5339027" "5342207" "5364277" "5390412" "5413659").PN.	l	15.5/25
	18		USPAT	2002/06/15
-			USPAT	2002/06/15
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_	2.	1 1 4 6 2 9 2 7 0 1 1 4 6 4 8 6 6 8 1 1 4 8 8 6 4 6 1 1 1		11.11
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		c ///2114597" "4116517" "48/1315"	USPAT	2002/06/15
-			USPAT	2002/06/15
_		6 ("3114587" "4116517" "4871315" "4911653" "5147208" "5372512").PN.	ODERI	11:46
		"4911653" "5147208" 5372512 7.1111 0 6024580.URPN.	USPAT	2002/06/15
-			USPAT	11:46
_		0 6024580.URPN.	USPAI	11:46
		7 5984691.URPN.	USPAT	2002/06/15
-	1	/ 0000001.01		11:48

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		745 40 45 1W	USPAT	2002/06/15
	17	("3971610" "4050756" "4548451"	OSFAI	11:49
		"4954878" "4991290" "5033675" "6954878" "5069628" "5095628"		
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		514/200 "5270047" "5000073"		
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		"5449427" "5454904" "5473119"		
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-	13	"E126250" "5147210" "3107040		11:57
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		"4027935" "4038599" "4184729"		
		"4581679" "4707657" "4793814	į	
		"4837507" "4991290" "5020219"		
		"FOC1102" "5069628" "5133119"/·PN·	USPAT	2002/06/15
	17	1 (1120716101 1140507561 114548451 1	OSEKI	12:00
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_	13			12:29
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			USPAT	2002/06/15
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			USPAT	2002/06/15
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!				
		1.0240700 1 020-1-1		0000 100 125
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-	1:			12:44
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-		1 "44C2706" "4813129").PN.		12:45
		- 1 4820004068 "3986255" "412531U 1	USPAT	2002/06/15
-		1 1144020727 1 74548451" 1 74551572 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		12:47
		- 1 /# 4012120" "4885126" "4904000	USPAT	2002/06/15
-	1	1 45 0 7 2 5 2 0 1 1 1 5 1 8 0 3 1 1 " " 3 0 0 0 2 / 0 1		12:48
1		"5072520" "5160311 "5777379" "5777379"		
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		"58/4/82" "6043363 /*****	USPAT	2002/06/15
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1			USPAT	2002/06/15
1		3 5638599.URPN.		12:52

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	3			12:52
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	12	#A702601# #5235195" "5424344 1		12:52
		"5436303" "5426304" "5436430		
		$\frac{115}{15}$	_	2002/06/15
,	00.00	semiconductor and (coefficient near1	USPAT;	
	9268	thermal near1 expansion)	US-PGPUB;	13:20
	1	thermal heart onputter,	EPO; JPO;	
			DERWENT	2002/06/15
	1471	(semiconductor and (coefficient near)	USPAT;	13:20
	1471	(semiconductor and (coefficient hadder adjustment) and (solder adjustment)	US-PGPUB;	13:20
		(ball bump))	EPO; JPO;	
			DERWENT	2002/06/15
	31	((semiconductor and (coefficient near)	USPAT;	13:22
	31		US-PGPUB;	15.22
		(ball bump))) and (interconnection near)	EPO; JPO;	
		1	DERWENT	2002/06/15
	1399	l and [COefficient near]	USPAT; US-PGPUB;	13:23
	1333		EPO; JPO;	13.23
		(hall hump))) and (substrate (princed ad)	DERWENT	
		l :	USPAT;	2002/06/15
_	2	1 and (COPTTICIENT MEGIT	US-PGPUB;	13:24
•		I and average only and toutuer au	EPO; JPO;	-3
		1 /2 11 hammall and (SIIDSI falle (DIIIICCA and)	DERWENT	
		direction and the state of the	DEKMENT	
		1 -1 -+ mage nearl absorbing)	USPAT;	2002/06/15
=	14	1 / I ductor and (COETTICIENT Hear)	US-PGPUB;	13:28
=		thormal near expansion) and (cherman	EPO; JPO;	
		near1 stress near1 absorbing)	DERWENT	
		N Company of the Comp	USPAT;	2002/06/15
_	71	semiconductor and (thermal near1 stress	US-PGPUB;	14:27
		near1 absorbing)	EPO; JPO;	
			DERWENT	
		" A 2 E 0 E 2 O " 1	USPAT	2002/06/15
_	10	("3373481" "4173768" "4250520"	002112	13:38
		"4545610" "4673772" "4818728"		
		"4845542" "4930001" "5151773"		
		"5189507").PN.	USPAT;	2002/06/15
_	4	semiconductor and (thermal near1 stress	US-PGPUB;	13:44
		near1 absorbing) and HASHIMOTO-NOBUAKI	EPO; JPO;	
			DERWENT	1
		semiconductor and HASHIMOTO-NOBUAKI	USPAT;	2002/06/15
_	129	9 semiconductor and HASHIMOTO NOBOLLA	US-PGPUB;	13:44
			EPO; JPO;	
			DERWENT	106/25
		8 semiconductor and HASHIMOTO-NOBUAKI	USPAT	2002/06/15
-	21	8 semiconductor and institution was a		13:45
		COORES INDIN	USPAT	2002/06/15
_		0 6333565.URPN.		13:46
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_		6 ("5077598" "5086337 3103365 "5659952" "5776796" "6130116").PN.		13:46
			USPAT	2002/06/15
-	1	2 5077598.URPN.		13:47
		9 ("3030558" "3596228" "4070688"	USPAT	2002/06/15
-		1 401 5 2 5 0 11 1 1 4 6 4 7 9 5 9 1 1 1 4 / 1 U / 9 0 1		13:48
		"4845542" "4871921" "4893172").PN.		0000/06/15
			USPAT	2002/06/15
-				13:50
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-	1	7 ("5126820" "5148266 3303102 "5641113" "5656863" "5753974"		13:50
	1	"5834844").PN.		2002/26/15
		TO A TO THE TANK	USPAT	2002/06/15
-		1		14:23
		3 ("4760440" "5134340" "5847650").PN.	USPAT	2002/06/15
-				14:23 2002/06/17
		8 (solder adj (bump ball)) and (thermal	USPAT;	1
-		near1 stress near1 absorbing)	US-PGPUB	
	1	meall bolows	EPO; JPO	<i>i</i>
	i	1	DERWENT	1

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		(bump ball) and (thermal near1 stress		2002/06/15
	21	4 1	05 1010-	14:29
1	1		EPO; JPO;	1
			DERWENT	2002/06/17
		a	USPAT;	
	2961	elongat\$3 near2 pad	US-PGPUB;	07:45
			EPO; JPO;	
			DERWENT	
		(elongat\$3 near2 pad) and (bump ball)	USPAT;	2002/06/17
	470	(elongat\$3 nearz pad) and (bump base)	US-PGPUB;	07:06
			EPO; JPO;	
			DERWENT	
		and (hump hall))	USPAT;	2002/06/17
	56	((elongat\$3 near2 pad) and (bump ball))	US-PGPUB;	07:38
		and thermal and stress	EPO; JPO;	
			DERWENT	<u> </u>
		a and (hump hall))	USPAT;	2002/06/17
	119	((elongat\$3 near2 pad) and (bump ball))	US-PGPUB;	07:38
		and stress	EPO; JPO;	
			DERWENT	
		11 /h.mm hall\\	USPAT;	2002/06/17
_	63	(((elongat\$3 near2 pad) and (bump ball))	US-PGPUB;	07:39
			EPO; JPO;	
		and stress) not (((elongates head)) and (bump ball)) and thermal and stress)	DERWENT	
			USPAT;	2002/06/17
_	3	((((elongat\$3 near2 pad) and (bump ball))	US-PGPUB;	07:39
_			EPO; JPO;	
		and (hump hall)) and thermal and solution,	DERWENT	
				2002/06/17
	2914	I a languating alongatel Hears Pag	US-PGPUB;	09:55
-	2914	(cronga	1	03100
			EPO; JPO;	
			DERWENT	2002/06/17
	1729	((elongated elongating elongate) near2	USPAT; US-PGPUB;	09:20
-	1729	pad) and (semiconductor neaer1 (package	US-PGPUB;	09.20
		device))	EPO; JPO;	
			DERWENT	2002/06/17
	242	(((elongated elongating elongate) near2	USPAT;	07:48
-	342	and (comicondifictor fleder) (package	US-PGPUB;	07.40
		device))) and (elastic\$3 modulus)	EPO; JPO;	
		1	DERWENT	2002/06/17
	0.0	((((elongated elongating elongate) near2	USPAT;	09:21
_	88		US-PGPUB;	09:21
		pad) and (semiconductor header (pad) and device)) and (elastic\$3 modulus)) and	EPO; JPO;	
			DERWENT	2002/06/17
		The state of the s	USPAT;	07:48
_	68		US-PGPUB;	07:40
			EPO; JPO;	
			DERWENT	
		, , , bally and thermal and scross,		2002/06/17
			USPAT;	
-		pad) and ((csp (chip near) (size\$1	US-PGPUB;	
		scale\$1) near1(package packaging	EPO; JPO;	
1		SCale\$1) Heart (Package Package)	DERWENT	0000/06/17
		device)))) 0 ((elongated elongating elongate) near2	USPAT;	2002/06/17
-	11	0 ((elongated elongating elongate) natural (package pad) and (semiconductor near1 (package	US-PGPUB;	
		pad) and (semiconductor hears (product)	EPO; JPO;	
		device))	DERWENT	
		l l l l l l l l l l l l l l l l l l l	USPAT;	2002/06/17
_	6	(((elongated elongating elongate) near2	US-PGPUB	; 09:58
		and (semiconductor near (package	EPO; JPO	;
		device)) and (bump ball)	DERWENT	
			USPAT	2002/06/17
_		0 6121784.URPN.		09:31
		1	USPAT	2002/06/17
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	1			
		40401/9 100000 #5440570#	1	
	1	"4879156" "5015538" "5113579"		
		"5116459" "5239448" "5305525		
		"5306872" "5323947" "5338900"		
		"5356526" "5384952" "5611140"		
		"5640052" "5734560" "5764485"		
!	1	"5819401" "5829124").PN.		2002/06/17
		5323947.URPN.	USPAT	
	31	5323947.0RFN.	ì	09:34
	l l	(elongated elongating elongate) with	USPAT;	2002/06/17
I	311	(elongated elongating clongator,	US-PGPUB;	09:56
	1	((bond bonding) adj pad)	EPO; JPO;	
1			DERWENT	
		bre /bre care car	USPAT;	2002/06/17
1	279450	"311" not (((elongat\$3 near2 pad) and	US-PGPUB;	09:57
	2,,,,,,,,	Lall \\ and thermal allu bulebb/ 1100	EPO; JPO;	
		1,1,1,1,alangated elongating elongate,	DERWENT	
		and (semi conductor neactr	THUMBUT	
	!	(magkage device))) and (elasticys		
		modulus)) and (bump ball)) (((elongat\$3 near2 pad) and (bump ball))	ł	
			1	
ŀ		l	1	
1		((((elongated elongating clongate), pad) and (semiconductor near1 (package		1
		pad) and (semiconductor heart (partiage		10 - 12 -
			USPAT;	2002/06/17
1	280	((elongated elongating elongate) with	US-PGPUB;	09:58
			EPO; JPO;	
		(//elongats3 near2 pad) and (bump bull)	DERWENT	
		1 1 +k-mmal and STress! HOU	DEKADIAT	
1		1 /////alangated elongating elongate/		
		1 2 1 and (semi-conductor neget-		
1		(the alternational description of the services of the service		
		modulus)) and (bump ball)) (((elongat\$3 near2 pad) and (bump ball))		
		(((elongat)) not		
		and thermal and stress)) not ((((elongated elongating elongate) near2		
		((((elongated elongating clongator,		1
1		pad) and (semiconductor nearl (package		
		I to the state of	USPAT;	2002/06/17
_	84	///olongated elongating elongate/ with	US-PGPUB;	09:59
			EPO; JPO;	
		1//olongats3 near2 pad) and (bump bull)	DERWENT	
		1 1 LL Lumal and STressi HOL	DEKMENT	
		1,,,,,,,alangated elongating elongate,		
		o mod/ and (semiconductor neactr		
		(mackage device))) and (elasticy)		
		1.7() and (himn hall) Hou		
l		(((elongat\$3 near2 pad) and (bump ball))		
1		l and ctraggil not		
1		and thermal and stress, not nearly ((((elongated elongating elongate) nearly (nackage)		
		((((elongated elongating clongs)		
		pad) and (semiconductor near1 (package		
		device))) and (bump ball))) and (bump		=
l		ball)	USPAT	2002/06/17
_		3 5252852.URPN.	55222	10:06
-			USPAT	2002/06/17
		3 ("4034399" "4857746" "4912545").PN.	UJEAL	10:07
-		J (100 - 10	ucpam.	2002/07/14
		7 "5998241"	USPAT;	_
-		7 7 7 9 9 0 2 3 1	US-PGPUB	
			EPO; JPO	<i>;</i>
			DERWENT	2000 (07/11/
			USPAT;	2002/07/14
_		3 "6303219"	US-PGPUB	; 21:06
			EPO; JPO	;
			DERWENT	1
			USPAT;	2002/07/14
		7 "6122171"	US-PGPUB	
_		, , , , , , , , , , , , , , , , , , , ,	EPO; JPO	1 -
	1			'
1			DERWENT	

			USPAT;	2002/07/14
	3	"6060782"	US-PGPUB;	21:07
			EPO; JPO;	
			DERWENT	
			USPAT;	2002/07/14
	14	"5786239"	US-PGPUB;	21:09
			EPO; JPO;	
	1		DERWENT	
			USPAT;	2002/07/14
	4	"6201298"	US-PGPUB;	21:10
	-		EPO; JPO;	2272
			DERWENT	
				2002/07/14
	19	"5835355"	USPAT;	21:15
	1	5050511	US-PGPUB;	21.10
			EPO; JPO;	İ
			DERWENT	2002/07/14
	11	"5929517"	USPAT;	21:19
	11	3929317	US-PGPUB;	21:19
			EPO; JPO;	
			DERWENT	2002/07/14
		"5998241" "6303219" "6122171" "6060782"	USPAT;	
	66	"5786239" "6201298" "5835355" "5929517"	US-PGPUB;	21:20
		7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	EPO; JPO;	
			DERWENT	
		COSESSO AND DIV	USPAT	2002/07/14
-	0	6395582.URPN.		21:21
		("5240588" "5397921" "5420460"	USPAT	2002/07/14
-	18	"5455456" "5583378" "5633533"		21:21
		"5455456" "5583376" "5710459"		
		"543047" "5663530" "5710459" "5640047" "5663530" "5844168"		
		"5739581" "5832596" "5844168" "5739581" "5832596" "5898241"		
		"5972736" "5976916" "5998241"		
		"6066512" "6248612" "6258631").PN.	USPAT	2002/07/14
_	8	("5023202" "5083191" "5442232"	02211	21:22
		"5518964" "5661086" "5785555		İ
		1 "F004072" "5901041").PN.	USPAT	2002/07/14
	3	1 "5 8 8 1 1 1 1 1 1 1 1	OSEAL	21:24
_			USPAT	2002/07/14
	32	5661086.URPN.	OSIAI	21:24
_	"		USPAT	2002/07/14
	8	("4843808" "5016084" "5244838"	USPAI	21:27
-	1	"5474957" "5492866" "5786239 1		12.2
		#F077042" "5909056").PN.	110000	2002/07/14
	10	1 / 1129012991 1142093551 11469552/	USPAT	21:28
_	10	1 11 10 20 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2		21.20
	1	"5336650" "5352632" "5559372"		
		"5633535").PN.		2002/07/14
			USPAT	
-	47	1 1337.01.01		21:29
		5 5877043.URPN.	USPAT	2002/07/14
-		· •		21:31
		3 ("4873123" "5016084" "5168430"	USPAT	2002/07/14
-	13	3 ("4873123" "5016064" "516064" "5278724" "5340771" "5352632"		21:31
		"5278724" "5340771" "5386341" "5383787" "5383788" "5386341"		
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		"5397921" "5435732" "5474957"		
		"5756380").PN.	USPAT	2002/07/14
_		6 ("4411719" "5212402" "5474957"	1	21:34
		"	USPAT	2002/07/14
_		3 ("5474957" "5578525" "5602059").PN.	1	21:35
			USPAT	2002/07/14
_		4 ("5353498" "5382546" "5383269"	051111	21:36
_		"5409865").PN.	USPAT	2002/07/14
	2	3 5602059.URPN.	OSPAI	21:36
-	1 2	·	***************************************	2002/07/14
		7 ("5525834" "5612576" "5835355"	USPAT	21:41
-	1	"5841194" "5939778" "6002171"		21.41
		"6166434").PN.		2002/07/14
			USPAT	
_	1	[9 "5760465"		22:19

		1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	USPAT;	2002/07/14
	4967	(csp (chip adj (size\$1 scale\$1) near	US-PGPUB;	22:57
		(package packaging device)))	EPO; JPO;	
Į.		'L'	DERWENT	
			USPAT;	2002/07/14
	2204	((csp (chip adj (size\$1 scale\$1) near	T	22:59
	2294		US-PGPUB;	22.00
		ball (external adj electrode))	EPO; JPO;	
	1		DERWENT	2002/07/14
		(((csp (chip adj (size\$1 scale\$1) near	USPAT;	2002/07/14
	232	(((csp (chip ad) (sizev)))) and (bump (package packaging electrode))) and	US-PGPUB;	23:00
	1	(package packaging device) // and	EPO; JPO;	
		ball (external ad) electrodo, //	DERWENT	
			USPAT;	2002/07/14
	191	-	US-PGPUB;	23:19
•	131		EPO; JPO;	
			DERWENT	
		land (Intermediate Political	DEKMENT	1
				2002/07/14
			USPAT	
_	7	("5126820" "5753974"		23:08
		"5126820" "5146200 "5753974" "5641113" "5656863" "5753974"		107 /14
		"5834844").PN.	USPAT	2002/07/14
_	23	"5834844").PN. ("5243221" "5319246" "5416355"		23:13
_		1 " = 10 < 10 1 " 5 4 5 / (16 / ") 34 / 34 9 9		
				1
		1 = 0.0 = 1.0 1 1 1 1 1 1 1 1 1		
		1 "5614420" "5614767" "5030034		
		1 #F004044# 1 #58616/3" "300±0/3"		
		"5942801" "5955787" "5962920"		
		"5969409" "5981373").PN.		2002/07/14
		"5969409 5501373 / T	USPAT	
_	1	6255737.URPN.		23:13
			USPAT;	2002/07/14
_	3	"6323542"	US-PGPUB;	23:19
			EPO; JPO;	
			DERWENT	
			USPAT;	2002/07/14
	e	"6181569"	US-PGPUB;	23:19
-	1	,	EPO; JPO;	
			DERWENT	
			1	2002/07/14
		5 "6211572"	USPAT;	1
-	,	5 "6211572"	US-PGPUB;	
			EPO; JPO;	1
			DERWENT	/14
		"51015 (0)" "6211572"	USPAT;	2002/07/14
l _	1.	5 "6323542" "6181569" "6211572"	US-PGPUB;	23:22
-			EPO; JPO;	
1			DERWENT	
			USPAT;	2002/07/14
1		2 "6333565"		00
-		2 0333303	US-PGPUB;	1
1			EPO; JPO;	·
1			DERWENT	0000 (07 /14
	1		USPAT	2002/07/14
_		6 ("5077598" "5086337" "5189505" "5659952" "5776796" "6130116").PN.		23:29
	ı	1"5659952" "5//6/96" 0130110 /1211		

			USPAT;	2002/10/03
	86	(US-6197613-\$ or US-6181569-\$ or	US-PGPUB	16:04
	00	1 tr 6277669-5 or US-6159837-7 OF	05 10105	
		1 TTG 62EN633-5 OF US-635U634-7 UL		1
		$\frac{1}{120}$ caso 296-5 or $\frac{115-5925931-7}{15}$ or		
		tra E60/379-5 or US-628/893-5 Of		
1		1 rg 6111317-\$ Or US-5834844-> Or		
		1_{evg} responsible or HS-6255/3/-2 0^{\pm}		
l		170 6223542-\$ Or US-6200888-7 OF		
		1 rra (272527-\$ Or US-6284363-7 OL		
		1 trg 6211572-5 or US-5/60465-7 OF	ļ	
		US-5874782-\$ or US-5666270-\$ or	1	
		1 4012120_\$ or US-600/349-2 OF		ı
		US-4813129-7 OF US-5984692-\$).did. or US-5855063-\$ or US-5984692-\$).did.		Į.
		(US-5738530-\$ or US-5525065-\$ or		
		US-5/36530-\$ or US-5326412-\$ or US-5415555-\$		
		US-5415555-\$ or US-5147208-\$ or US-6333565-\$	1	
		US-6333565-\$ 61 65 517-\$ or US-4740700-\$ or US-4116517-\$ or		
		US-6265671-\$ or US-5638599-\$ or		
		US-6265671-\$ of US-5608254-\$ or US-5653892-\$ or US-5608254-\$ or		
1		US = 5653892 - 5 or $US = 5000257 + 0$		
		US-5603848-\$ or US-6307159-\$ or US-4548451-\$ or US-5984691-\$ or		
		US-4548451-\$ or US-5904031 \$ 02		
		US-6024580-\$ or US-6071137-\$ or US-6024580-\$ or US-5759047-\$ or		
		US-5813876-\$ or US-5759047-\$ or		
		US-5575662-\$ or US-6214923-\$ or		
		US-6335416-\$ or US-5529504-\$ or		
		US-5938452-\$ or US-6403460-\$ or US-5938452-\$ or US-6403460-\$ or		(
		US-5938452-3 of os of US-6066512-\$ or US-5422516-\$).did. or (US-6066512-\$ or		
		US-6130116-\$ or US-5077598-\$ or		1
		US-6165886-\$ or US-6066808-\$ or		
		US-5829124-\$ or US-H001153-\$ or	ļ	
		US-5323947-\$ or US-5252852-\$ or		
1		US-5521994-\$ or US-6395582-\$ or		
		US-6323065-\$ or US-6303219-\$ or		
		1112_6250154-S or US-62U1298-3 Of		
		115 6104778-\$ or US-609/085-> Of		\
į.		THE 6051450-5 OF US-5998241-7 OF	•	
		110 E796239-S Or US-566353U-5 OF		1
		1 trg = 207021-\$ Or US-5661086-3 Of		
		1 1 1 1 1 1 1 1 -		
		rozzo42 e or iis-57563//-51.010. UI		
		1		
İ		(US-2002006718-\$ or US-20010019852-\$ or		
!		US-20020066584-\$ or		
		US-20010004943-\$).did.		

			TICDATE: 2	2002/10/03
	0 ((US-6197613-\$ or US-6181569-\$ or		6:19
-	1770	6277669-\$ or US-615983/-> Of	EPO; JPO;	
	1 770	catheaa=6	DERWENT	
	177.0	$\frac{1}{1}$ = 6250386-5 or US-5925931-7 or		İ
	US	3-5604379-\$ or US-6287893-\$ or		
	US	3-5604377 \$ or US-5834844-\$ or US-5834844-\$ or		
	US	3-5539153-\$ or US-6255737-\$ or		
	US	3-6323542-\$ or US-6200888-\$ or		
	US	5-632527 \$ or US-6284563-\$ or US-5760465-\$ or		
	\ U:	5-6211572-\$ or US-5760465-\$ or 5-5874782-\$ or US-5666270-\$ or		
	U:	5-5874782-\$ or US-5000279 \$ or S-4813129-\$ or US-5007349-\$ or		
	U	S-4813129-5 of 05-6007515 v S-5855063-\$ or US-5984692-\$).did. or		
	U	S-5855063-3 of 05 5555065-\$ or US-5525065-\$ or	1	
	1.	US-5/36530-\$ or US-5326412-\$ or US-5326412-\$		\
	U	S-6333565-\$ or US-5147208-\$ or		
	Ų	S-6333363-\$ of US-4116517-\$ or		
	1	- c265671-4 or US-5638599-3 OF		
	1	10 ECE2802-5 Or US-5608454-7 OF		
	+1	12 ECO2040-6 OF 118-630/129-7 OF	1	
	1	10 4540451-6 Or HS-5984691-7 OF	1	
	1 **	ta convenie or US-60/113/-3 0-		
	1 +	ta co12076-6 or US-5/59U4/-7 UL		
		to EE75662-8 Or US-6214943-7 UL		
	1.	** COOF 116-5 Or HS-5529504-7 OF		
		70 E422E16-6) did. Or (UD-6000312 7 02		
į	١,	tc 6130116-\$ or US-50//590-7 Or		
	١,	70 C16E996-\$ Or US-6066800-7 OF		
	1 -	uc 5020124-\$ or US-HUU1153-\$ Of		
	١,	uc ε222047-\$ or US-5254834-₹ 0±		
		US-5323947 \$ or US-6395582-\$ or US-6395582-\$ or		
1		US-6323065-\$ or US-6303219-\$ or		
		US-6259154-\$ or US-6201298-\$ or		1
1		US-6239174 v or US-6097085-\$ or US-6194778-\$ or US-6097085-\$ or		
	1	US-6051450-\$ or US-5998241-\$ or US-5786239-\$ or US-5663530-\$ or		
		US-5786239-\$ OF US-5661086-\$ OF US-5397921-\$ OF US-5661086-\$ OF		
	i	US-5397921-5 of US-5474957-\$ or US-5763294-\$ or US-5474957-\$ or		
		compose & or HS-5/563//-3/.ulu. Vi		1
	1	(US-20020006718-\$ or US-20010019852-\$ or		
		00000066E91-5 Or		
		00010004043-\$) did.) and ((DOI)		
		olastic) near3 (particles hears (strice		
1		magin gilicone alumund///	USPAT;	2002/10/03
	4799	//lorimido (stress adl relax?4)	US-PGPUB;	16:20
-	.,,,,	l a lastici i leard	EPO; JPO;	
		(particles near3 (silica resin silicone	DERWENT	
			USPAT;	2002/10/03
1_	6201	(can (chin adi (size\$1 scale\$1) ad)	US-PGPUB;	16:22
		(package packaging device)))	EPO; JPO;	
			DERWENT	
]		USPAT;	2002/10/04
_	17506	csp (chip adj (size\$1 scale\$1))	US-PGPUB;	
	1		EPO; JPO;	
	1		DERWENT	0000 (10 (02
		a :::da (atross adi relax\$4)	USPAT;	2002/10/03
_	7	(((polyimide (stress adj relax\$4) polymeric polymer elastic)) near3 polymeric polymer elastic) spilicone	US-PGPUB;	16:22
		1 / Lating moard (8) ICa lebili bition	EPO; JPO;	
		(particles hears (silica restriction adjumina))) and ((csp (chip adj (size\$1	DERWENT	
		alumina))) and ((CSP (CHIP day (See Second	ļ	
		1		2002/10/04
		<pre>device)))) (((polyimide (stress adj relax\$4)</pre>	USPAT;	2002/10/04
	ι 17	(((botatime (acress and) boars	US-PGPUB:	, , , , ,
_	1 - '			. 1
_	1	polymeric polymer elastic, / hears	EPO; JPO	;
-		polymeric polymer elastic) / hears (particles near3 (silica resin silicone (alumina))) and (csp (chip adj (size\$1	EPO; JPO DERWENT	;

	/// m c	L #	Hits	Search Text	DBs
!	Туре			"6255737"	USPAT; US-PGPUB; EPO; JPO; DERWENT
	BRS	L1	2	/gizo\$1	USPAT; US-PGPUB;
	BRS	Г3	4697	scale\$1) near2 package//	EPO; JPO; DERWENT USPAT; US-PGPUB;
	BRS	L4	83	(elasticity model	EPO; JPO; DERWENT
 1	BRS	L6	119	3 same (elastomer\$2 ((elasticity compliant) near layer))	USPAT; US-PGPUB; EPO; JPO; DERWENT
 5	BRS	L14	25	4109096.URPN.	USPAT; US-PGPUB; EPO; JPO; DERWENT
 6	BRS	L16	5	6028354.URPN.	USPAT; US-PGPUB; EPO; JPO; DERWENT USPAT; US-PGPUB;
 7	BRS	L18	0	6239489.URPN.	EPO; JPO; DERWENT
8	BRS	L20	4316	(elastomer\$2 ((elasticity compliant) near layer)) near4 particles	USPAT; US-PGPUB; EPO; JPO; DERWENT
9	BRS	L21	14	3 and 20	USPAT; US-PGPUB; EPO; JPO; DERWENT
10		L23		(elasticity near material) near4 particles	USPAT; US-PGPUB; EPO; JPO; DERWENT
11		L24	6985	6313532.pn.(elasticity nea	
12			1	6313532.pn. and (elasticit near (layer material))	
1	3 BRS	L2	6 17	3 and ((elastomer\$2 elasticity compliant) near particles)	
1	4 BRS	L2	7 7	(low adj elastic near modulus) near4 particles	USPAT; US-PGPUB; EPO; JPO; DERWENT USPAT; US-PGPUB;
	5 BRS	L2	9 10	(low adj elastic) nears	EPO; JPO; DERWENT USPAT; US-PGPUB;
1	6 BRS	L2	8 12	(low adj elastic) near4 particles	EPO; JPO; DERWENT